

*JRW*

Patent



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: QIU

Application Serial No.: 10/644,229

Filing Date: August 20, 2003

For: METHODS AND APPARATUS FOR  
CHARACTERIZING SUBSCRIBER  
LOOP BASED ON ANALYSIS OF  
DSL HANDSHAKING SIGNALS  
AND FOR OPTIMIZATION OF DSL  
OPERATION

) Group Art Unit: 2643

) Examiner: Tran, Quoc Duc

) **RESPONSE TRANSMITTAL**

) Attorney Docket No.: P16581

) **PTO Customer Number 28062**

) Buckley, Maschoff & Talwalkar LLC

) Five Elm Street

) New Canaan, CT 06840

CERTIFICATE OF MAILING UNDER 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on June 21, 2005.

Dated: June 21, 2005

By:

*Edith M.*  
Edith Martin

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing are:

1.  Amendment/Response
2.  Additional Enclosures: Acknowledgement Postcard

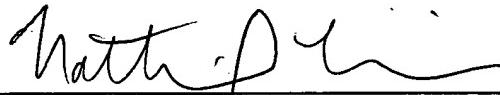
### FEE CALCULATION

For	Current	Prev. Paid	No. Extra	Rate	Fee
Total Claims	19	- 47	0	\$ 50.00	\$ 0.00
Indep. Claims	5	- 10	0	\$ 200.00	\$ 0.00
Multiple Dependent Claims (add \$300.00 if applicable)					\$ 0.00
<b>No Petition for Extension of Time is Required</b>					\$ 0.00
<b>OTHER FEE (specify purpose):</b>					\$ 0.00
<b>TOTAL FILING FEE</b>					<b>\$ 0.00</b>

The Commissioner is hereby authorized to charge and credit Deposit Account No. 50-1852 as described below. A duplicate copy of this sheet is enclosed.

- Credit any overpayment.
- Charge any additional fees required under 37 CFR 1.16 and 1.17.

Respectfully submitted,



June 21, 2005

Date

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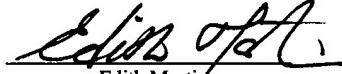
) Group Art Unit: 2643  
) Examiner: Tran, Quoc Duc  
) **AMENDMENT and RESPONSE to April**  
) 22, 2005 Non-Final Office Action  
)  
) Attorney Docket No.: P16581  
)  
) **PTO Customer Number 28062**  
)  
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Edith Martin

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Non-Final Office Action mailed April 22, 2005, please amend the above-identified application as follows.

Amendments to the claims are reflected in the listing of claims which begins on page 3 of this paper.

Remarks begin on page 8 of this paper.